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The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WORCESTER STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1920

DEPARTMENT OF MENTAL DISEASES



BOSTON

WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET

The Commonwealth of Massachusetts

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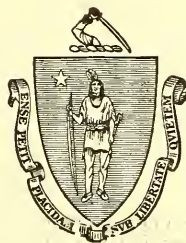
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ANN. (1901)

MASS. BOSTON.

Mass. Officials.

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MASS. STATE
TO
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OFFICERS OF THE HOSPITAL.

TRUSTEES.

EDWARD F. FLETCHER,	Worcester.
JOHN E. WHITE,	Worcester.
JOHN G. PERMAN,	.	.	.	.	.	.	.	Worcester.
LUTHER C. GREENLEAF,	.	.	.	.	.	.	.	Boston.
CAROLINE M. CASWELL,	.	.	.	.	.	.	.	Boston.
MAE CARLSON, .	.	.	.	.	.	.	.	Worcester.
WILLIAM J. DELEHANTY,	.	.	.	.	.	.	.	Worcester.

RESIDENT OFFICERS.

B. HENRY MASON, M.D., .	.	.	.	.	<i>Acting Superintendent.</i>
DONALD R. GILFILLAN, M.D., .	.	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR H. MOUNTFORD, M.D., .	.	.	.	.	<i>Senior Assistant Physician.</i>
ROBERT B. HARRIMAN, M.D., .	.	.	.	.	<i>Assistant Physician.</i>
WILLIAM J. VIVIAN, M.D., .	.	.	.	.	<i>Assistant Physician.</i>
MICHAEL J. O'MEARA, M.D., .	.	.	.	.	<i>Assistant Physician.</i>
ROY C. JACKSON, M.D., .	.	.	.	.	<i>Assistant Physician.</i>
ADA F. HARRIS, M.D., .	.	.	.	.	<i>Pathologist.</i>
ELSIE I. RICHARDS, R. N., .	.	.	.	.	<i>Superintendent of Nurses.</i>
MARY M. CATON, .	.	.	.	.	<i>Head Occupational Therapist.</i>
HERBERT W. SMITH, .	.	.	.	.	<i>Steward.</i>
LILLIAN G. CARR, .	.	.	.	.	<i>Matron.</i>
JOSEPH F. REYNOLDS, .	.	.	.	.	<i>Farmer.</i>

NONRESIDENT OFFICERS.

JENNIE A. HARRINGTON, .	.	.	.	.	<i>Social Service Worker.</i>
BURTON W. LORING, D.D.S., .	.	.	.	.	<i>Dentist.</i>
GEORGE W. PARESEAU, .	.	.	.	.	<i>Druggist.</i>
JESSIE M. D. HAMILTON, .	.	.	.	.	<i>Treasurer.</i>
JAMES DICKISON, Jr., .	.	.	.	.	<i>Engineer.</i>

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester State Hospital respectfully submit their eighty-eighth annual report, with the reports of the acting superintendent and treasurer appended. They ask that careful attention be given the items presented by the acting superintendent, Dr. B. Henry Mason. The trustees deem Dr. Mason most efficient, and believe he has the kind of constructive business ability which make his plans for the increased usefulness of the hospital worth careful thought.

The construction of the new laundry, now nearly completed, will give much better facilities for the industrial work, which is a most valuable factor in the lives of the inmates, but the cold-storage plant and the alterations in kitchen and bakery, to which attention has been called for several years, are still in the future. Fireproof stairs for protection in case of fire are most essential, and we urge the consideration of this necessity. In the Summer Street Department the renovation of the air chambers in the basement should have attention unless this department is to be taken over by the United States in accordance with the following bill, passed at the last session of the General Court:—

Resolved, That the governor and council be authorized to lease to the United States of America, for the use of any department thereof, the land and buildings, or any part thereof, comprising the Worcester State Hospital, for a term not exceeding five years and for such rental as the governor and council may fix; but no person shall obtain a settlement in this commonwealth by reason of his residence at said institution during the period of said lease.

The help situation has been critical at the hospital as elsewhere, but relief seems to be in sight. Many patients have

helped materially in alleviating the shortage. Better salaries should be available, however, to increase efficiency. All departments are in operation, and the various members of the staff have been faithful to the trust imposed upon them. The trustees thank one and all.

It is most fitting to mention the resignation of Miss Georgie A. Bacon of Worcester, chairman of the Board, who has served since 1911, and of Mr. Donald Gordon of Boston, secretary of the Board, who was elected in 1915. Both members were valuable to the hospital, and will be greatly missed by their co-workers.

The present Board will do its best to be of service, but the lack of initiative required and the stereotyped form of work necessarily done reduce the possibility of achievement to the minimum. We respectfully call the attention of His Excellency the Governor and the Honorable Council to the fact that such service is a sacrifice without adequate compensation in accomplishment, and urge the consideration of some plan by which the ability of the various trustees of all similar institutions can be focalized for the advancement of the great and important matter of mental hygiene and its relative subjects.

Respectfully submitted,

EDWARD F. FLETCHER.
JOHN E. WHITE.
JOHN G. PERMAN.
LUTHER C. GREENLEAF.
CAROLINE M. CASWELL.
MAE CARLSON.
WILLIAM J. DELEHANTY.

Nov. 30, 1920.

ACTING SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester State Hospital.

I herewith respectfully submit the following report of the hospital for the year ending Nov. 30, 1920, it being the eighty-eighth annual report.

There remained on the hospital books Oct. 1, 1919, 1,873 patients, — 997 men and 876 women. During the year ending Sept. 30, 1920, there were admitted 970 patients, — 506 men and 464 women. Five hundred and seventy-two patients — 331 men and 241 women — were discharged from the hospital. Of this number, 300 patients — 184 men and 116 women — were discharged; 233 patients — 143 men and 90 women — died; 39 patients — 4 men and 35 women — were transferred, leaving at the end of the statistical year 2,271 patients, — 1,172 men and 1,099 women. One thousand nine hundred and seventy-one patients — 997 men and 974 women — were actually in the hospital. Of this number, 1,769 were supported by the State, 110 by friends, and 92 as reimbursing patients. Of the patients discharged, 65 were reported as recovered, 153 as improved, and 56 as not improved. Twenty-six patients — 17 men and 9 women — were discharged as not insane. Twenty-four women were transferred by the Department of Mental Diseases to the Gardner State Colony; 2 men and 4 women to the State Infirmary; 2 men and 1 woman to the Danvers State Hospital; 3 women to the Foxborough State Hospital; 1 woman to Dr. Wiswall's; 1 woman to the Medfield State Hospital; 1 woman to the Boston State Hospital. Eleven men and 3 women were removed from the State, and 12 men and 11 women were deported.

There remained in the hospital at the end of the year 406 more patients than at the beginning. The smallest number under treatment on any day was 1,571 patients, and the largest, 2,046. The daily average was 1,913.93.

The percentage of recoveries calculated upon the number of discharges and deaths was 11.3; calculated upon the number of admissions, 7.1. In order, however, to make an honest comparison with last year it is necessary to subtract 433, the number of chronic cases received by reason of the absorption of the Summer Street Department, Dec. 1, 1919, from the total number of admissions for the year, which shows a percentage of 12.1, or an increase of .92 per cent over the showing of the preceding year.

The death rate was 8.1 calculated on the whole number of patients under treatment, and 12.1 calculated on the daily average number.

Although there was an increase of 324.83 in the daily average number of patients under treatment over that of 1919, 12 less deaths occurred in the hospital.

Six hundred and seventeen patients were admitted during 1919, and 532 (not including those received by reason of the Summer Street acquisition) the past year, or a decrease in the whole number of admissions of 85.

PSYCHOSES OF FIRST ADMISSIONS.

The accompanying table shows there was a total of 371 admitted for the first time during 1920, against 379 for the preceding year (14 of this number, or 3.7 per cent, were suffering from mental disease due to the excessive use of alcohol), and 43, or 11.3 per cent, for the year 1919, or a decrease of 67.5 per cent in the number of alcoholic admissions during the past statistical year. These findings should be convincing evidence that prohibition is a bulwark of mental as well as physical strength for our fellow beings.

There was quite an increase in the number of cases of cerebral arteriosclerosis and general paralysis admitted. Twenty-six and one-sixth per cent of first admissions were suffering from dementia præcox, and 6.1 per cent from manic-depressive insanity. There was only 1 case of pellagra admitted during the year. Seven patients — 5 men and 2 women — committed were not insane. The Wassermann reaction on the blood serum was positive in 11.32 per cent of the first admissions.

Psychoses of First Admissions, 1919-20.

PSYCHOSES.	1920.			1919.		
	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Traumatic,	—	1	1	—	—	—
Senile,	8	25	33	20	24	44
With cerebral arteriosclerosis, . .	49	27	76	29	4	33
General paralysis,	31	3	34	15	2	17
With cerebral syphilis,	1	1	2	2	—	2
With Huntington's chorea,	1	—	1	—	—	—
With other brain or nervous diseases,	—	—	—	1	2	3
Alcoholic,	14	—	14	37	6	43
Due to drugs and other exogenous toxins,	—	—	—	—	1	1
With pellagra,	—	1	1	—	2	2
With other somatic diseases,	1	8	9	5	8	13
Manic-depressive,	8	15	23	7	16	23
Involution melancholia,	3	12	15	4	9	13
Dementia præcox,	63	36	99	61	47	108
Paranoia and paranoic condition, .	3	—	3	—	6	6
Psychoneurosis,	2	6	8	1	1	2
With mental deficiency,	10	7	17	7	5	12
With psychopathic personality, . .	5	3	8	1	2	3
Epileptic,	3	3	6	—	1	1
Undiagnosed,	6	8	14	13	11	24
Not insane,	5	2	7	22	7	29

There were 102 men and 55 women, a total of 157 persons, admitted as emergency, temporary-care or observation cases, of which 123 were regularly committed; of the 34 not committed, 6 regained their normal mental poise, 14 were not insane, 5 were discharged improved, 6 not improved, and 3 died.

There have been several criminals admitted during the year. One of these cases was an incorrigible girl received from the Reformatory for Women, who showed no evidence of a psychosis. It should be regarded as most unfortunate that provision has not been made where rational care and treatment could be provided for this class of cases. They are a problem

which should not have to be dealt with by a hospital for the insane.

During the year 28 ex-service men were admitted. The following summary shows their mental classification and environmental states at the end of the statistical year, which shows 50 per cent have been returned to the community. There were 4 soldiers admitted to the hospital as temporary-care or observation cases that were not committed, making a total of 32 admissions. Of those not committed, but for whom satisfactory arrangements were made for their care in the community, 1 was a case of manic-depressive psychosis, one dementia præcox, and 1 psychopathic personality. The fourth was a case of encephalitis lethargica, and died after a residence of five days.

Soldiers and Sailors, 1920.

PSYCHOSES.	First Admissions.	Re-admissions.	Totals.	PRESENT STATUS.		
				In the Hospital.	On Visit.	Discharged.
General paralysis,	—	1	1	1	—	—
Alcoholic,	2	1	3	—	1	2
Dementia præcox,	11	7	18	11	6	1
Mental deficiency,	2	—	2	—	2	—
Psychopathic personality,	1	—	1	—	1	—
Unclassified,	—	1	1	1	—	1
Not insane,	1	1	2	1	—	1

HEALTH OF THE POPULATION.

The general health of the institution has been good. There were 2 sporadic cases of parotitis, and 3 of varicella, among the employees. One attendant, who had been in the service of the hospital nearly a year, died, after a comparatively short illness, of tuberculosis of the stomach and liver. A male patient suffering from manic-depressive psychosis, who had experienced recurring attacks of depression and excitement, had apparently recovered from a disturbed period and was under consideration for dismissal from the hospital when he committed suicide by hanging. A female patient died from asphyxiation resulting from laryngeal obstruction by a bolus of cake which

she appropriated in the dining room. Both these deaths were investigated by the medical examiner and Dr. Myrtelle M. Canavan of the Department of Mental Diseases.

PRINCIPAL CAUSES OF DEATHS.

Twenty-nine and one-tenth per cent of all deaths were due to arteriosclerosis and cardiovascular renal disturbances; 21 to pneumonia; $16\frac{1}{10}$ to syphilis of the central nervous system; and $2\frac{1}{10}$ to pulmonary tuberculosis.

STAFF CHANGES.

The following changes have taken place on the staff of the institution:—

Dr. George K. Butterfield, senior assistant physician, and Dr. Michael J. O'Meara, assistant physician, formerly on the staff of the Grafton State Hospital, stationed at the Summer Street Department, became members of our staff Dec. 1, 1919.

Dr. Roy C. Jackson, a former member of the staff, returned to the service Dec. 1, 1919.

Dr. George K. Butterfield was transferred to the Danvers State Hospital July 10, 1920, and Dr. William J. Vivian was transferred from the main hospital to fill the vacancy.

Several vacancies still remain unfilled.

Miss Alice M. Flint resigned Oct. 7, 1920, to accept the position as head dietitian at St. Luke's Hospital, New Bedford, beginning at a salary considerably more than we could offer her. Miss Gladys E. Johnson was appointed head dietitian Nov. 1, 1920, to fill the vacancy.

Five third-year medical students served as internes during the summer:—

Miss India Hunt of the Women's College of Pennsylvania, from June 24, 1920, to Aug. 18, 1920.

Miss Sarah Mu Jin Ching of the Women's College of Pennsylvania, from June 24, 1920, to Sept. 29, 1920.

Mr. Charles H. Griffin of Tufts Medical College from June 1, 1920, to Sept. 4, 1920.

Mr. Leo V. Conlon of Tufts Medical College from June 1, 1920, to Sept. 4, 1920.

Mr. John J. Dunphy of Harvard Medical College from June 28, 1920, to Sept. 4, 1920.

Arrangements have been made with Miss Marjorie Bates, a student at Clark University, to do the psychological work for the hospital during her college year.

MEDICAL AND PSYCHIATRIC WORK.

During the year 238 staff meetings were held at which 687 cases were presented. The same routine has been observed in the presentation of patients, and at the literature and laboratory conferences, as was described in last year's report. The several vacancies on the staff led to the greatest amount of our energy being consumed in the performance of the necessary routine work of both the clinical and pathological departments. However, our assistants deserve credit for the conscientious manner in which they have cared for over 532 admissions, a daily population of nearly 2,000 patients, and 97 autopsies. Five papers have been prepared. An increasing amount of clinical work has been carried on through our out-patient department; and through the co-operation and assistance of the superintendent of schools, Mr. Thomas F. Gibbons, a mental clinic was established in Clinton during the month of October. The work of the pathological department is given in detail in the report of the pathologist, which is appended.

The rapid progress made in psychiatry the past few years by systematic study and research, and the general recognition which it received during the late war, places it on a scientific plane equivalent to medicine and surgery. In order to meet the responsibilities and maintain the prestige as one of the major departments of the healing art, it is imperative that conditions should be so effected that it will be possible to secure and organize a staff of competent workers that will be energetic and skillful in making complete observations and examinations of living patients; scientific correlation of the clinical and pathological findings; and a force in teaching and promulgating the principles of mental health. It may be possible to demonstrate the *modus operandi* of cures when we have become more enlightened and skilled in the therapy and pathology of the endocrine disturbances, but I would venture to

suggest that in the field of mental hygiene the greatest strides in psychiatry will be made in the immediate future by coming more directly into daily contact with the community through closer and better co-operation with the dispensaries, general hospitals, social agencies, neurologists and the psychologists. We must be ever cognizant of the fact that hospitals offer opportunities which private practice can never afford. For this reason it would appear that it becomes the duty of the State and of us, as public servants, to offer inducements that will encourage undergraduates and physicians to avail themselves of the advantages of State hospital work and affiliation.

SYPHILITIC CLINICS.

The treatment of syphilitic patients, showing involvement of the central nervous system, has been carried on by Dr. Ada F. Harris.

Three weekly clinics have been held, 2 at the Summer Street Department and 1 at the main hospital. Sixty-nine patients received treatment, 1,298 intravenous injections of arsphenamine, 573 intramuscular injections of mercury salicylate, and 7 intraspinous injections of arsphenimized serum being given.

All of the cases of paresis have been in the latter stages of the disease, where little can be anticipated from treatment except to make the patient less destructive or excited, and a more comfortable hospital case. Four patients improved to such an extent they were able to go out on visit and report weekly for treatment. The following table will show diagnosis and disposition of cases, and emphasizes the fact that diagnosis of syphilis should be made early, and thorough treatment given before the disease has ravaged the central nervous system:—

PSYCHOSSES.	Men.	Women.	Total.	WASSERMANN.		Gold Albumin Globulin.	SEROLOGICAL IMPROVED.		Clinical Im- proved.	Eloped.	Dis- charged.	Im- proved on Visit.	Died.	Re- maining in Hos- pital.
				Blood.	Spinal.		Blood.	Spinal.						
General paralysis,	34	7	41	+	+	+	10	2	8	-	4	4	7	26
Cerebrospinal syphilis,	2	-	2	+	+	+	1	1	1	-	-	-	-	-
Congenital syphilis,	-	2	2	+	+	+	-	-	1	-	-	-	-	2
Tubes,	1	-	1	+	+	+	1	-	-	-	-	-	-	-
Alcoholic hallucinosis,	1	1	2	+	-	-	2	-	-	2	-	-	-	-
Dementia praecox,	3	7	10	+	-	-	5	-	-	-	-	-	-	10
Manic-depressive,	-	1	1	+	-	-	1	-	-	-	-	-	-	1
Imbecile,	-	6	6	+	-	-	4	-	-	-	-	-	-	6
Unclassified,	1	-	1	-	-	-	-	-	-	-	-	-	-	1
Not insane,	2	-	2	+	-	-	2	-	-	-	-	-	-	-

Stimulated by a philanthropic motive to be of the greatest possible service to those unfortunate fellow beings suffering with a loathsome disease, and who, without skillful and intensive treatment, have a life expectancy of about three years, during which they must pass through a period of increasing degradation, when the citadel of reason and physical strength will be seen to totter and finally succumb to death, arrangements have been made for a representative of the hospital to visit the venereal clinic which is held at the City Hospital, outpatient department, at least once a month, in the capacity of a consultant. By this arrangement, which will aid the officers of the clinic in effecting a complete routine neurological and serological examination of the cases, those having early involvement of the central nervous system will be detected, and the progress of the disease checked in its incipency by the administration of specific treatment according to the individual requirements of the case.

OCCUPATIONAL AND INDUSTRIAL THERAPY.

We were fortunate to secure the services of Miss Mary M. Caton on Nov. 1, 1920, as head occupational therapist. For nearly two years she was in the United States Army, engaged in reconstruction and occupational work.

The arrangement of the work in this department as organized at the present time consists of three main divisions, — arts and crafts, diversional activities, and re-education or habit forming.

The vocational instructor consults with the physicians relative to the early selection of cases and the type of work best suited to the patient. Many of the patients go to the male and female industrial rooms, and classes are also held on the various wards; among the acute cases this requires much individual attention. Idleness is even more conducive to mental, moral and physical deterioration in the individual who is mentally deranged than in the person with a normal psychological rating. Wholesome exercise and employment, which serves to stimulate the functions of the body, is an essential requisite for all beings.

Miss Julia Cooper, R.N., who has been in charge of the work in the female department, and Mr. Fred Corkum of the male department deserve mention for the creditable manner in which they have carried on the work the past year.

Our annual Christmas exhibition and sale attracted an unusually large attendance.

SOCIAL SERVICE.

Miss Jennie A. Harrington has demonstrated a great capacity for work and untiring effort by her activities in this department of the hospital, which is much too large for one person to cope with satisfactorily. The assistance of another field worker and a volunteer worker are urgently needed to meet the demands of the institution. Miss Harrington's report is appended.

TRAINING SCHOOL.

The administrative duties and guidance of the work in the school has continued under the successful supervision of Mrs. Elsie I. Richards, who has experienced difficulties at times, owing to the lack of qualified applicants to fill vacancies, and our inability to offer sufficient inducements to retain many of our graduates in the service. All members of the intermediate class were sent to the Boston City Hospital for their affiliating work, and the curriculum somewhat increased.

A class of 7 seniors was graduated Oct. 30, 1920. After the exercises, a reception and dance was held for the class and their friends. The resignation of Miss Jennie C. Putnam, assistant superintendent of nurses, who had shown both energy and efficiency as an instructor, was accepted with regret. The vacancy was filled by the appointment of Mrs. Merle Maulsbury, a graduate of the Memorial Hospital of Worcester.

HYDROTHERAPY AND ELECTROTHERAPY.

The hydrotherapeutic department has been active under the supervision of a married couple experienced in nursing and hydrotherapy. All treatment is carried out in accordance with a prescription written by the physician in charge of the case.

The wall plate and portable apparatus have been of service in a few cases during the year.

Dr. Arthur H. Mountford has done the X-ray work and kept the records of that department. He reports that 17 fluoroscopic examinations have been made and a total of 37 treatments for epithelioma given to three patients. One hundred and five skiagraphs were taken, as follows:—

Hip,	3	Teeth,	16
Wrist,	3	Shoulder,	5
Foot,	9	Chest,	22
Head,	11	Pituitary,	12
Knee,	6	Bullet wound,	1

The need and importance of a Roentgen ray examination of many of our admissions as an aid in ascertaining the cause, making a diagnosis and prescribing treatment is plainly evident, but the pressure of routine duties would not permit of more time being given to this work.

DENTISTRY.

Our dentist, Dr. Burton E. Loring, has visited the main hospital one day a week, and reports the following work done:—

Extractions,	517
Amalgam fillings,	77
Cement,	52
Treatment and temporary fillings,	67
Bridges set,	9
Cleanings,	153
Examination of patients for whom no work was done,	192

The dental needs of the patients at the Summer Street Department have been attended by Dr. A. J. Harpin. During the year 400 patients were examined and the following work done:—

Silver and cement fillings,	101
Gums treated and teeth cleaned,	160
Teeth and roots extracted,	95
Sets of teeth made,	2
Sets of teeth repaired,	4

EMPLOYEES.

The general prosperity of the country, which made it possible during the early part of the year for the more desirable persons to obtain work that was more congenial and better paid, led to much difficulty in obtaining a sufficient number of employees to properly carry on the work of the different departments. There was an average shortage during the year of 26.2 per cent, but the situation was the most acute during the month of June, when there was only 65.1 per cent of our normal quota of employees on the pay roll. A gradual increase in the amount of work and our inability to fill vacancies made the burdens of the clerical force unusually hard. Although quite a material increase in wages was made by the adoption, the first of June, of the new schedule recommended by the Department of Mental Diseases, but little relief was experienced until the beginning of the business recession which is now making itself felt. This, together with the approach of winter, has made it possible to exercise more care in the selection of the applicants for positions, with a corresponding improvement in discipline and the character of the services rendered.

FARM AND GARDEN.

Although our head farmer was seriously handicapped during the spring and early summer by the extreme shortage of labor, which could not be entirely compensated by increasing the number of patients employed in that department, the year has been a successful one. Owing to the dry season, and perhaps to some lack of sufficient care, the ensilage and potato crops were below normal. There were \$14,076.57 worth of garden produce raised; \$7,662.50 of hay, ensilage and green fodder; and 1,064 bushels of sweet corn. The dairy herd produced 364,393 quarts of milk and 8,967 pounds of beef; 25,976 pounds of pork were dressed. The poultry department furnished the institution with 2,755 pounds of dressed fowl, 45,939 eggs, and 56 pounds of duck. The cattle were tested for the presence of tuberculosis this fall by a representative of the Bureau of Animal Industry, and those condemned disposed of. About 2 acres of land were cleared. A ditch about 700 feet

long was dug to drain a section of the large field on Belmont Street, and a large trench, $2\frac{1}{2}$ feet wide and over 5 feet deep, extending from Plantation Street to and back of the hospital, a distance of 1,800 feet, for our additional water supply, was dug by disturbed male patients under the supervision of two attendants.

REPAIRS AND IMPROVEMENTS.

The results of the reorganization and consolidation of the various units of the repair department made last year have been satisfactory from both an economical and efficient point of view. The renovation and remodeling of Wheeler Cottage No. 2, so that it will furnish very desirable accommodations for two of our employees and their families, is nearly completed. A milk room and pasteurizing plant have been built and are now ready for the installation of the machinery. The dormitory at our Hillside Farm was painted outside and inside, the farm house inside and also the new hog house. Four wards at the main building were painted, and all the toilets, bathrooms and clothes rooms in the Appleton section. The iron grill work and woodwork of the Woodward roof exercise space were repaired and painted, also two automobiles and two trucks. An electric motor was installed in place of the old gasoline engine for the pump at Hillside Farm. During the month of April all useful laundry machinery and equipment was removed from the Summer Street Department and installed at the main hospital, where all laundry operations are now carried on. Individual motors were installed for the bread and cake mixers in the bakery, and for the potato peeler, meat chopper and ice-cream freezer. The governor wheel of one of the engines was rebored, the settings of 7 boilers were repaired and a new boiler feed pump installed. In addition, a large amount of repair work has been done on the wards and various departments of the institution by the carpenters, painters, steam fitter, mason, plumbers and electrician.

The severe weather of last winter made it necessary to make quite extensive repairs on the slate, valleys, metal vents, skylights, copings, etc., of the roofs of the various buildings.

With the exception of the steam fitting, plumbing, electric wiring and painting done by the hospital mechanics, the work

of building the addition and making alterations on the laundry, for which a special appropriation was received, was let to a general contractor, and I am pleased to report is well under way to completion.

The new cottage for 30 patients at Hillside Farm was occupied early in the year.

REQUIREMENTS.

I desire to call to your attention the pressing needs of special appropriations for the erection of a cold-storage building and storehouse, for alterations on the kitchen and bakery, and for fireproof stairways, as outlined in the report of last year. Among other wants of the institution, less urgent but desirable, are a congregate dining room, the installation of a sprinkler system for the attics, and the elevation of the Washburn roof, which would afford provision for a very satisfactory ward for the accommodation of about 20 patients.

At the Summer Street Department the fire hazard which exists, due to the present condition of the old heat shaft in the basement, makes it imperative that an appropriation should be granted in order to efface an ever-threatening catastrophe.

The present engine room, which does not well meet our present needs, is in need of extensive repairs, and the refrigerating apparatus which has been in operation over seventeen years is completely worn out. I would therefore respectfully call to your attention that by building a new engine room as planned when the boiler house was erected, the old engines and dynamos could be used, and the installation of a new ice machine of 8-ton capacity would be sufficient for our needs in the kitchen, and also furnish refrigeration for a mortuary.

AMUSEMENTS.

The weekly dances, motion-picture shows, Saturday afternoon parties and miscellaneous entertainments have been held in the chapel. Several new phonograph records have been bought and a new machine provided at the Summer Street Department.

MISCELLANEOUS.

Regular religious services have been held at both the main hospital and the Summer Street Department.

We wish to thank the publisher of the "Fitchburg Sentinel" for copies of his paper, and the Royal Worcester Corset Company for magazines.

I desire to express my appreciation to all employees who have been faithful and efficient in the performance of their duties, and to your Board for the ever-ready advice and counsel in dealing with the affairs of the institution.

B. HENRY MASON,

Acting Superintendent.

Nov. 30, 1920.

REPORT OF THE SOCIAL SERVICE DEPARTMENT.

To the Acting Superintendent.

I herewith respectfully submit the following report of the social service department for the year ending Nov. 30, 1920.

The work has been carried on during the year very much as outlined in last year's report. The following table shows the number and nature of cases handled during the year:—

	HOME VISITS.		Social Case Work.		INVESTIGATIONS.		BOARDING-OUT PATIENTS.			
	Patient.	Relatives.		Securing Histories.	Home.	Others.	Visits.	Placed.	Replaced.	Returned.
Male,	24	36	3	53	12	12	—	—	—	—
Female,	76	24	40	31	30	24	111	3	—	10
Total,	100	60	43	84	42	36	111	3	—	10

In addition to the above table, 34 soldier cases have been considered. All ex-service men are referred to the local Red Cross chapter, who attend to all matters of guardianship, insurance, compensation, etc. All social service problems of soldiers are handled by the social service department. Suitable employment has been secured for 9 patients.

The charitable agencies, overseers of the poor, police departments and churches in various communities have all been very co-operative, and have come to our aid when assistance was desired.

During the year there have been introduced in all the State hospitals of Massachusetts new social service folders and new forms for monthly statistical reports. The social service record in the new folder is filed with the medical record. On the outside of the folder are recorded the social data of the patient,

thus enabling the physician or social worker at a glance to get the outstanding social factors of the case. The statistics show the true volume of the work of the department, and help tell the story of what the department is doing and its policies.

This department is unable to develop the work, or to do as thorough work as desired, because of only one worker in the department. The territory covered is extensive, including Worcester, Middlesex and part of Suffolk counties. One hundred and ninety-three patients are on visit, and are to be visited at least once during the year. Forty-eight of the patients on visit need special supervision, and often serious family difficulties must be adjusted. The number of investigations and histories to be secured by the department demand much time. It is hoped that at least one more worker may be added during the year.

This department strives never to forget that social service means personal service in every sense of the word.

JENNIE A. HARRINGTON,

Social Worker.

Nov. 30, 1920.

LABORATORY REPORT.

To the Acting Superintendent of the Worcester State Hospital.

The following report of the laboratory work for the year ending Nov. 30, 1920, is respectfully submitted:—

Clinical Work.

Urine analyses,	1,207
Cerebrospinal fluid examinations,	97
Sputums,	56
Blood cultures,	3
Blood counts,	27
Blood smears for malaria,	2
Feces,	4
Throat cultures,	8
Gastric contents,	1
Smears: cervix and vagina,	33
Autogenous vaccine,	7
Animal inoculation,	2
Post-mortem smears and cultures,	57
Surgical tissue,	3
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
Total,	1,507

Histologic examinations have been made of 10 autopsied cases, 2 of which are being studied in detail with various stains.

Eight laboratory staff meetings were held during the year, at which meetings cases were presented by the pathologist, and one each by student internes on cases assigned to them and prepared under supervision of the pathologist.

Work in the laboratory has progressed with difficulty, as no technician or stenographer has been available, with the exception of two months during the year, and the stenographic records as well as the clinical work and arsphenamine treatments have fallen to the lot of the pathologist.

Ninety-seven autopsies, being 39 per cent of the deaths, have

been performed, with the following psychiatric and major anatomical diagnoses:—

Psychoses:—

Dementia præcox:—

Hebephrenic,	5
Paranoid,	8
Catatonic,	5

Manic-depressive:—

Manic,	1
Depressed,	4

General paralysis,	16
------------------------------	----

Epilepsy,	2
---------------------	---

Senile:—

Simple,	18
Presbyophrenic,	1
Paranoid,	3
Depressed and agitated,	1

Alcoholic:—

Acute hallucinosis,	3
Deterioration,	3
Korsakow's psychosis,	1

With cerebral arteriosclerosis,	22
---	----

With constitutional inferiority,	1
--	---

With Huntingdon's chorea,	1
-------------------------------------	---

Involutional melancholia,	1
-------------------------------------	---

Unclassified,	3
-------------------------	---

Total,	97
------------------	----

The major anatomical diagnoses were —

Lobar pneumonia,	23
----------------------------	----

Broncho-pneumonia (terminal),	7
---	---

Broncho-pneumonia and facial erysipelas,	1
--	---

Broncho-pneumonia with emphysema,	1
---	---

Empyema,	1
--------------------	---

Pulmonary tuberculosis,	6
-----------------------------------	---

Tubercular meningitis and peritonitis,	1
--	---

Cerebrospinal meningitis with pyelonephritis and cystitis (pneumococci),	1
--	---

Acute encephalitis,	1
-------------------------------	---

General paralysis,	7
------------------------------	---

General arteriosclerosis,	3
-------------------------------------	---

Cerebral hemorrhage from rupture of cerebral aneurism,	1
--	---

Cerebral hemorrhage with cerebral arteriosclerosis,	6
---	---

Coronary occlusion with arteriosclerosis,	2
Fractured femur with arteriosclerosis,	1
Cardiovascular-renal,	15
Cardiovascular-renal with fracture of ribs,	1
Cardiovascular-renal with diabetic gangrene (leg),	1
Acute endocarditis,	1
Embolism with acute endocarditis,	2
General septicaemia,	3
Decubitus septicaemia,	1
Pyelonephritis with stones,	1
Carcinoma of pylorus and liver,	1
Carcinoma of caecum, rupture and peritonitis,	1
Carcinoma of rectum and liver,	1
Carcinoma of duodenum and head of pancreas,	1
Atrophic cirrhosis of liver,	1
Intestinal obstruction due to volvulus,	2
Suicide by hanging,	1
Asphyxiation by food in larynx and bronchi,	1
Catatonic exhaustion,	1
Total,	97

A. F. HARRIS,

Pathologist.

Nov. 30, 1920.

VALUATION.

Nov. 30, 1920.

REAL ESTATE.

Land (589 acres),	\$402,600 00
Buildings,	2,163,406 96
	<hr/>
	\$2,566,006 96

PERSONAL PROPERTY.

Travel, transportation and office supplies,	\$10,516 52
Food,	24,005 20
Clothing and materials,	34,350 62
Furnishings and household supplies,	155,108 78
Medical and general care,	13,167 23
Heat, light and power,	3,727 43
Farm,	2,140 70
Stable and garage,	7,431 50
Repairs,	9,194 20
	<hr/>
	\$259,642 18

SUMMARY.

Real estate,	\$2,566,006 96
Personal property,	259,642 18
	<hr/>
	\$2,825,649 14

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1920:—

CASH ACCOUNT.

Balance Dec. 1, 1919,	\$622	53
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Receipts.

Institution Receipts.

Board of inmates:—

Private	\$841,511	73
Reimbursements, insane,	47,868	11
		89,379 84

Sales:—

Travel, transportation and office expenses,	\$87	15
Food,	320	38
Clothing and materials,	174	20
Furnishings and household supplies,	275	70
Medical and general care,	114	12
Heat, light and power,	9	60
Farm and stable:—		
Cows and calves,	\$574	42
Pigs and hogs,	36	00
Hides,	81	98
Vegetables,	305	38
Use of teams,	92	25
Sundries,	10	00
		1,100 03
Grounds,	143	25
Repairs, ordinary,	20	40
Industries,	1,152	63
		3,397 46

Miscellaneous receipts:—

Interest on bank balances,	\$1,114	37
Rent,	1,074	85
Sundries,	154	15
		2,343 37

95,120 67

Receipts from Treasury of Commonwealth.

Maintenance appropriations:—

Balance of 1919,	\$39,327	88
Advance money on hand November 30 (regular, \$45,000; temporary account of October schedule, \$32,000),	77,000	00
Approved schedules of 1920,	540,286	30
		656,614 18

Special appropriations,	31,773	40
-------------------------	--------	----

Total,	\$784,130	78
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<i>Payments.</i>		
To treasury of Commonwealth: —		
Institution receipts,	\$95,120 67	
Refunds account of maintenance,	33 86	
	<hr/>	\$95,154 53
Maintenance appropriations: —		
Balance November schedule, 1919,	\$39,950 41	
Eleven months' schedules, 1920,	\$585,431 88	
Less returned,	33 86	
	<hr/>	585,398 02
November advances,	27,762 24	
	<hr/>	653,110 67
Special appropriations, approved schedules,		31,773 40
Balance Nov. 30, 1920: —		
In bank,	\$3,742 33	
In office,	349 85	
	<hr/>	4,092 18
Total,		\$784,130 78

MAINTENANCE.

Balance from previous year, brought forward,	\$2,402 50
Appropriation, current year,	767,400 00
	<hr/>
Total,	\$769,802 50
Expenses (as analyzed below),	677,295 88
	<hr/>
Balance reverting to treasury of Commonwealth,	\$92,506 62

Analysis of Expenses.

Personal services: —		
B. Henry Mason, acting superintendent,	\$2,760 00	
Medical,	12,048 87	
Administration,	17,471 60	
Kitchen and dining-room service,	11,339 42	
Domestic,	27,181 22	
Ward service (male),	43,887 90	
Ward service (female),	44,228 80	
Industrial and educational department,	2,593 98	
Engineering department,	27,552 10	
Repairs,	14,061 42	
Farm,	10,243 05	
Stable, garage and grounds,	3,867 85	
	<hr/>	\$217,236 21
Religious instruction: —		
Catholic,	\$1,200 00	
Hebrew,	260 00	
Protestant,	385 00	
	<hr/>	1,845 00
Amount carried forward,		\$219,081 21

<i>Amount brought forward,</i>		\$219,081 21	
Travel, transportation and office expenses:—			
Advertising,	\$420 18		
Postage,	591 34		
Printing and binding,	772 64		
Printing annual report,	268 04		
Stationery and office supplies,	1,730 65		
Telephone and telegraph,	1,833 37		
Travel,	1,521 29		
			7,137 51
Food:—			
Flour,	\$25,531 74		
Cereals, rice, meal, etc.,	7,348 17		
Bread, crackers, etc.,	781 00		
Peas and beans (canned and dried),	4,741 93		
Macaroni and spaghetti,	1,322 49		
Potatoes,	12,400 13		
Meat,	48,822 03		
Fish, (fresh, cured and canned),	6,483 92		
Butter,	7,088 44		
Butterine, etc.,	14,367 62		
Cheese,	2,501 38		
Coffee,	1,008 65		
Coffee substitutes,	1,798 77		
Tea,	797 05		
Cocoa,	234 13		
Whole milk,	106 97		
Milk (condensed, evaporated, etc.),	2,801 03		
Eggs (fresh),	12,043 34		
Egg powders, etc.,	1,433 26		
Sugar (cane),	10,858 99		
Fruit (fresh),	1,489 96		
Fruit (dried and preserved),	7,381 82		
Lard and substitutes,	3,066 49		
Molasses and syrups,	2,550 58		
Vegetables (fresh),	687 57		
Vegetables (canned and dried),	799 73		
Seasonings and condiments,	1,097 12		
Yeast, baking powder, etc.,	489 27		
Sundry foods,	547 24		
			180,580 82
Clothing and materials:—			
Boots, shoes and rubbers,	\$5,862 98		
Clothing (outer),	7,950 61		
Clothing (under),	2,247 07		
Dry goods for clothing,	5,711 70		
Hats and caps,	194 78		
Leather and shoe findings,	340 61		
Socks and smallwares,	1,925 41		
			24,233 16
Furnishings and household supplies:—			
Beds, bedding, etc.,	\$14,053 89		
Carpets, rugs, etc.,	904 44		
<i>Amounts carried forward,</i>	\$14,958 33	\$431,032 70	

<i>Amounts brought forward,</i>	\$14,958 33	\$431,032 70
Furnishings and household supplies — <i>Con.</i>		
Crockery, glassware, cutlery, etc.,	1,865 83	
Dry goods and smallwares,	1,458 75	
Electric lamps,	924 66	
Fire hose and extinguishers,	697 61	
Furniture, upholstery, etc.,	1,284 29	
Kitchen and household wares,	4,960 98	
Laundry supplies and materials,	5,090 66	
Lavatory supplies and disinfectants,	2,682 73	
Machinery for manufacturing,	815 56	
Table linen, paper napkins, towels, etc.,	3,861 88	
		38,601 28
Medical and general care:—		
Books, periodicals, etc.,	\$445 93	
Entertainments, games, etc.,	1,807 45	
Funeral expenses,	725 00	
Gratuities,	86 81	
Ice and refrigeration,	978 35	
Laboratory supplies and apparatus,	585 34	
Manual training supplies,	64 03	
Medicines (supplies and apparatus),	3,214 87	
Medical attendance (extra),	1,005 88	
Patients boarded out,	3,368 79	
Return of runaways,	318 15	
Tobacco, pipes, matches,	3,376 65	
Water,	7,943 82	
		23,921 07
Heat, light and power:—		
Coal (bituminous),	\$67,647 15	
Freight and cartage,	351 29	
Coal (screenings),	22,061 28	
Freight and cartage,	321 73	
Coal (anthracite),	6,939 93	
Wood,	60 00	
Electricity,	181 54	
Gas,	834 21	
Oil,	603 23	
Operating supplies for boilers and engines,	392 74	
		99,393 10
Farm:—		
Bedding materials,	\$692 64	
Blacksmithing and supplies,	363 22	
Carriages, wagons and repairs,	140 80	
Dairy equipment and supplies,	1,578 34	
Fencing materials,	204 00	
Fertilizers,	1,725 32	
Grain, etc.,	22,932 68	
Hay,	9,249 30	
Harnesses and repairs,	248 85	
Horses,	1,000 00	
Other live stock,	196 46	
Labor (not on pay roll),	94 35	
<i>Amounts carried forward,</i>	\$38,425 96	\$592,948 15

<i>Amounts brought forward,</i>	\$38,425 96	\$592,948 15
Farm — <i>Con.</i>		
Rent,	250 00	
Spraying materials,	119 15	
Stable and barn supplies,	80 90	
Tools, implements, machines, etc.,	986 05	
Trees, vines, seeds, etc.,	1,287 71	
Veterinary services, supplies, etc.,	470 76	
Lime,	136 50	
	<hr/>	41,757 03
Garage, stable and grounds: —		
Motor vehicles,	\$3,996 79	
Automobile repairs and supplies,	2,976 33	
Blacksmithing and supplies,	225 11	
Carriages, wagons and repairs,	87 70	
Fertilizers,	4 00	
Grain,	369 41	
Hay,	356 81	
Harnesses and repairs,	152 15	
Stable supplies,	8 16	
Tools, implements, machines, etc.,	58 14	
Trees, vines, seeds, etc.,	113 40	
Veterinary,	8 00	
	<hr/>	8,356 00
Repairs, ordinary: —		
Brick,	\$272 00	
Cement, lime, crushed stone, etc.,	258 37	
Electrical work and supplies,	1,130 22	
Hardware, iron, steel, etc.,	2,353 80	
Labor (not on pay roll),	144 00	
Lumber, etc. (including finished products),	3,303 73	
Paint, oil, glass, etc.,	3,146 96	
Plumbing and supplies,	3,440 65	
Roofing and materials,	1,529 85	
Steam fittings and supplies,	757 98	
Tents, awnings, etc.,	51 70	
Tools, machines, etc.,	783 01	
Boilers, repairs,	299 41	
Dynamos, repairs,	61 60	
Engines, repairs,	317 58	
	<hr/>	17,850 86
Repairs and renewals: —		
Rental for use of sewerage system,	\$2,400 00	
Boiler feed pump,	500 00	
Canning apparatus,	629 49	
Laundry machinery,	10,854 72	
Renovation of Wheeler cottage,	1,999 63	
	<hr/>	16,383 84
Total expenses for maintenance,		\$677,295 88

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1919,	\$16,107 96
Appropriations for current year,	41,758 72
Total,	<u>\$57,866 68</u>
Expended during the year,	\$31,773 40
Reverting to treasury of Commonwealth,	1,218 85
	<u>32,992 25</u>
Balance Nov. 30, 1920, carried to next year,	\$24,874 43

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$4,092 18
November cash vouchers (paid from advance money):—	
Account of maintenance,	\$27,762 24
October schedule paid from temporary advance,	45,145 58
	<u>72,907 82</u>
	\$77,000 00
Due from treasury of Commonwealth from available appropriations (October schedule, \$3,145.58; November schedule, \$56,897.86), . .	60,043 44
	<u>\$137,043 44</u>

Liabilities.

Schedule of November bills,	\$91,897 86
Schedule of October bills approved in December,	45,145 58
	<u>\$137,043 44</u>

PER CAPITA.

During the year the average number of inmates has been 2,015.85.
 Total cost for maintenance, \$677,295.88.
 Equal to a weekly per capita cost of \$6.4612.
 Receipts from sales, \$3,397.46.
 Equal to a weekly per capita of \$0.0324.
 All other institution receipts, \$91,723.21.
 Equal to a weekly per capita of, \$0.8750.

Respectfully submitted,

JESSIE M. D. HAMILTON,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,
Auditor.

STATEMENT OF FUNDS.

PATIENTS' FUND.

Balance on hand Nov. 30, 1919,	\$8,121 33	
Receipts,	13,427 14	
Interest,	328 43	
	<hr/>	\$21,876 90
Refunded,	\$12,207 90	
Interest paid to State Treasurer,	328 43	
	<hr/>	12,536 33
		<hr/>
		\$9,340 57

Investment.

Worcester County Institution for Savings,	\$2,000 00	
Worcester Five Cents Savings Bank,	1,000 00	
Worcester Mechanics Savings Bank,	1,000 00	
Balance Worcester Bank and Trust Company,	5,206 61	
Cash on hand Dec. 1 1920,	133 96	
	<hr/>	\$9,340 57

LEWIS FUND.

Balance on hand Nov. 30, 1919,	\$1,712 40	
Income,	152 92	
	<hr/>	\$1,865 32
Expended for vault rent, magazines, etc.,	111 00	
	<hr/>	\$1,754 32

Investment.

American Telephone and Telegraph Company collateral trust 4 per cent bond,	\$926 36	
Worcester County Institution for Savings,	49 44	
Fourth Liberty Loan bonds,	600 00	
Balance Worcester Bank and Trust Company,	178 52	
	<hr/>	\$1,754 32

WHEELER FUND.

Balance on hand Nov. 30, 1919,	\$6,169 30	
Income,	608 41	
	<hr/>	\$6,777 71
Expended for entertainments, magazines, etc.,	238 71	
	<hr/>	\$6,539 00

Investment.

American Telephone and Telegraph Company		
collateral trust 4 per cent bond,	\$712 50	
Worcester County Institution for Savings, .	32 72	
Third Liberty Loan bonds,	4,000 00	
Fourth Liberty Loan bonds,	1,300 00	
Balance Worcester Bank & Trust Company, .	493 78	
	<hr/>	\$6,539 00

MANSON FUND.

Balance on hand Nov. 30, 1919,	\$1,162 24	
Income,	205 74	
	<hr/>	\$1,367 98
Expended for entertainments,		20 00
		<hr/>
		\$1,347 98

Investment.

Worcester County Institution for Savings, .	\$90 37	
Fourth Liberty Loan bonds,	1,100 00	
Balance Worcester Bank and Trust Company, .	157 61	
	<hr/>	\$1,347 98

Respectfully submitted,

JESSIE M. D. HAMILTON,

Treasurer.

Nov. 30, 1920.

N. B. — The values assigned to the above securities are their respective purchase prices.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Jan. 18, 1833.									
2. Type of institution: State.									
3. Hospital plant: —									
Value of hospital property: —									
Real estate including buildings,						\$2,566,006	96		
Personal property,						259,642	18		
Total,						\$2,825,649	14		

Total acreage of hospital property, 589.16.

Acreage under cultivation during previous year, 205.75.

4. Medical service: —	Men.	Women.	Total.
Superintendents,	1	—	1
Assistant physicians,	7	1	8
Medical internes,	—	—	—
Clinical assistants,	—	—	—
Total physicians,	8	1	9

5. Employees on pay roll (not including physicians): —	Men.	Women.	Total.
Graduate nurses,	—	10	10
Other nurses and attendants,	103	89	186
All other employees,	83	90	173
Total employees,	186	183	369

6. Patients employed in industrial classes or in general hospital work on date of report,	Men.	Women.	Total.
	394	374	768
7. Patients in institution on date of report (ex- cluding paroles),	1,005	1,015	2,020

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — Movement of Patient Population for the Year ending Sept. 30, 1920.

	INSANE.			TEMPORARY CARE.			SANE, VOLUNTARY.			TOTAL ON BOOKS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Patients on books of institution Sept. 30, 1919,			1,871			—	1	1	2	997	876	1,873
Admissions during year:—												
(a) First admissions,	213	158	371	30	6	36	—	—	—	243	164	407
(b) Readmissions,	63	56	119	4	1	5	—	—	—	67	57	124
Total admissions,	276	214	490	34	7	41	—	—	—	310	221	531
(c) Transfers from other institutions for the insane,	106	243	349	—	—	—	—	—	—	196	243	439
2. Total received during year,	472	457	929	34	7	41	—	—	—	506	464	970
3. Total under treatment during year,	1,408	1,332	2,800	34	7	41	1	1	2	1,503	1,340	2,843
Discharged from books during year:—												
(a) As recovered,	25	33	58	7	—	7	—	—	—	32	33	65
(b) As improved,	101	47	148	3	2	5	—	—	—	104	59	153
(c) As unimproved,	25	25	50	6	—	6	—	—	—	31	25	56
(d) As not insane,	4	4	8	13	5	18	—	—	—	17	9	26
(e) Transferred to other institutions for the insane,	4	35	39	—	—	—	—	—	—	4	35	39
(f) Died during year,	140	90	230	3	—	3	—	—	—	143	90	233
(g) Normally dismissed for change of status,	—	—	—	32	7	39	—	—	—	331	241	572
4. Total discharged from books during year,	299	234	533	2	—	2	1	1	2	1,172	1,099	2,271
5. Patients remaining on books of institution Sept. 30, 1920,	1,169	1,098	2,267									
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year,	1,158.49	1,071.84	2,230.33	3.36	1.98	5.34	1.00	1.00	2.00	1,162.85	1,074.82	2,237.67
6b. Average daily number of patients actually in the institution during year,				3.36	1.98	5.34	1.00	1.00	2.00	980.22	933.71	1,913.93
7a. Average daily number of patients in family care,	975.86	930.73	1,906.59							.08	28.83	28.91
7b. Average daily number of patients on visit and escape, . . . . .	.08	28.83	28.91							182.55	112.28	294.83
8. Number of voluntary patients admitted during year,	182.55	112.28	294.83							6	10	16
9. Number of temporary-care cases admitted during year,	—	10	16	104	55	159	—	—	—	104	55	159
10. Number of patients actually remaining in institution Sept. 30, 1920,												
State,	994	973	1,967	2	—	2	1	1	2	997	974	1,971
Reimbursing,	929	837	1,766	2	—	2	—	—	—	931	838	1,769
Private,	24	68	92	—	—	—	—	—	—	24	68	92
	41	68	109	—	—	—	1	—	1	42	68	110

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	97	76	173	52	50	102	33	33	71
Albania,	1	-	1	1	1	2	-	-	-
Austria,	1	1	2	3	3	6	1	1	2
Canada,	22	21	43	28	29	57	31	25	56
China,	-	-	-	1	1	2	-	-	-
England,	6	3	9	8	7	15	7	6	13
Finland,	4	2	6	4	4	8	2	2	4
France,	-	-	-	1	-	1	-	-	-
Germany,	5	3	8	8	8	16	4	4	8
Greece,	3	-	3	3	3	6	-	-	-
Holland,	-	-	-	-	1	1	-	-	-
Ireland,	19	25	44	39	36	75	38	37	75
Italy,	8	4	12	8	8	16	5	5	10
Poland,	5	3	8	5	5	10	3	3	6
Portugal,	3	1	4	4	4	8	1	1	2
Russia,	16	9	25	16	16	32	9	9	18
Scotland,	2	1	3	3	4	7	1	3	4
South America,	1	-	1	-	-	-	-	-	-
Sweden,	6	5	11	6	7	13	7	7	14
Syria,	1	-	1	1	1	2	-	-	-
Turkey in Asia,	8	-	8	8	8	16	-	-	-
Turkey in Europe,	1	1	2	1	1	2	1	1	2
West Indies,	1	1	2	1	1	2	1	1	2
Total foreign born,	113	80	193	149	148	297	111	105	216
Unascertained,	3	2	5	12	15	27	14	15	29
Grand total,	213	158	371	213	213	426	158	158	316

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth,	97	76	173
Citizens by naturalization,	11	9	20
Aliens,	64	25	89
Citizenship unascertained,	41	48	89
Total,	213	158	371

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,	-	1	1	-	1	1
(a) Traumatic delirium,	-	1	1	-	-	-
(b) Traumatic constitution,	-	-	-	-	-	-
(c) Post-traumatic mental enfeeblement (dementia),	-	-	-	-	-	-
(d) Other types,	-	-	-	-	-	-
2. Senile, total,	6	18	24	8	25	33
(a) Simple deterioration,	-	-	-	-	-	-
(b) Presbyophrenic type,	-	-	-	-	-	-
(c) Delirious and confused types,	-	1	1	-	-	-
(d) Depressed and agitated types,	-	1	1	-	-	-
(e) Paranoid types,	2	5	7	-	-	-
(f) Pre-senile type,	-	-	-	-	-	-
(g) Other types,	-	-	-	-	-	-
3. With cerebral arteriosclerosis,	-	-	-	49	27	76
4. General paralysis,	-	-	-	31	3	34
5. With cerebral syphilis,	-	-	-	1	1	2
6. With Huntingdon's chorea,	-	-	-	1	-	1
7. With brain tumor,	-	-	-	-	-	-
8. With other brain or nervous diseases, total,	-	-	-	-	-	-
(a) Cerebral embolism,	-	-	-	-	-	-
(b) Paralysis agitans,	-	-	-	-	-	-
(c) Meningitis, tubercular or other forms (to be specified),	-	-	-	-	-	-
(d) Multiple sclerosis,	-	-	-	-	-	-
(e) Tabes dorsalis,	-	-	-	-	-	-
(f) Acute chorea,	-	-	-	-	-	-
(g) Other diseases (to be specified),	-	-	-	-	-	-
9. Alcoholic, total,	-	-	-	14	-	14
(a) Pathological intoxication,	-	-	-	-	-	-
(b) Delirium tremens,	1	-	1	-	-	-
(c) Korsakow's psychosis,	-	-	-	-	-	-
(d) Acute hallucinosis,	2	-	2	-	-	-
(e) Chronic hallucinosis,	3	-	3	-	-	-
(f) Acute paranoid type,	5	-	5	-	-	-
(g) Chronic paranoid type,	3	-	3	-	-	-
(h) Alcoholic deterioration,	-	-	-	-	-	-
(i) Other types, acute or chronic,	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins, total,	-	-	-	-	-	-
(a) Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined (to be specified),	-	-	-	-	-	-
(b) Metals, as lead, arsenic, etc. (to be specified),	-	-	-	-	-	-
(c) Gases (to be specified),	-	-	-	-	-	-
(d) Other exogenous toxins (to be specified),	-	-	-	-	-	-
11. With pellagra,	-	-	-	-	1	1
12. With other somatic diseases, total,	-	-	-	1	8	9
(a) Delirium with infectious diseases,	-	6	6	-	-	-
(b) Post-infectious psychosis,	1	-	1	-	-	-
(c) Exhaustion delirium,	-	-	-	-	-	-
(d) Delirium of unknown origin,	-	-	-	-	-	-
(e) Cardiorenal diseases,	-	1	1	-	-	-
(f) Diseases of the ductless glands,	-	1	1	-	-	-
(g) Other diseases or conditions (to be specified),	-	-	-	-	-	-
13. Manic-depressive, total,	5	10	15	8	15	23
(a) Manic type,	3	5	8	-	-	-
(b) Depressive type,	-	-	-	-	-	-
(c) Stuporous type,	-	-	-	-	-	-
(d) Mixed type,	-	-	-	-	-	-
(e) Circular type,	-	-	-	-	-	-
(f) Other types,	-	-	-	-	-	-
14. Involution melancholia,	-	-	-	3	12	15
15. Dementia præcox, total,	36	18	54	63	36	99
(a) Paranoid type,	10	12	22	-	-	-
(b) Catatonic type,	16	1	17	-	-	-
(c) Hebephrenic type,	1	5	6	-	-	-
(d) Simple type,	-	-	-	-	-	-
(e) Other types,	-	-	-	-	-	-
16. Paranoia or paranoid conditions,	-	-	-	3	-	3

TABLE 6. — *Psychoses of First Admissions* — Concluded.

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
17. Epileptic, total,	—	2	2	3	3	6
(a) Epileptic deterioration,	—	2	2			
(b) Epileptic clouded states,	3	1	4			
(c) Other epileptic types (to be specified),	—	—	—			
18. Psychoneuroses and neuroses, total,	—	—	—	2	6	8
(a) Hysterical type,	—	1	1			
(b) Psychasthenic type,	1	2	3			
(c) Neurasthenic type,	1	2	3			
(d) Anxiety neuroses,	—	1	1			
(e) Other types,	—	—	—			
19. With psychopathic personality,	—	—	—	5	3	8
20. With mental deficiency,	—	—	—	10	7	17
21. Undiagnosed,	—	—	—	6	8	14
22. Without psychosis, total,	—	—	—	5	2	7
(a) Epilepsy,	—	—	—			
(b) Alcoholism,	—	—	—			
(c) Drug addiction,	—	—	—			
(d) Psychopathic personality,	1	—	1			
(e) Mental deficiency,	4	1	5			
(f) Others (syphilis),	—	1	1			
Total,	—	—	—	213	158	371

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Concluded.*

RACE.	PSYCHOSES.																		WITHOUT.		
	MANIC-DEPRESSIVE.		INVOLUTION-MELANCHOLIA.		DEMENTIA-PRÆCOX.		PARANOIA OR PARANOID CONDITIONS.		EPILEPTIC.		PSYCHO-NEUROSSES AND NEUROSES.		WITH PSYCHOPATHIC PERSONALITY.		WITH MENTAL DEFICIENCY.		UN-DIAGNOSED.				
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African (black),	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Albanian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Armenian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Bulgarian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Chinese,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
English,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Finnish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
French,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
German,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Greek,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Hebrew,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Irish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Italian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Lithuanian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Portuguese,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scotch,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Slavonic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Syrian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Turkish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
West Indian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Mixed,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Race unascertained,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total,	8	15	23	3	12	15	63	36	99	3	3	6	2	6	8	5	3	8	10	7	17
	5	2	7	14	6	8	14	6	8	14	6	8	14	6	8	14	6	8	14	6	8

TABLE 9. — *Degree of Education of First Admissions classified with Reference to Psychoses.*

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	25	26	1	3	4	1	2	3	1	11	12	1	1	2	1	8	11	3	8	11
2. Senile,	8	27	35	49	3	52	6	2	8	29	20	49	14	2	16	1	1	1	1	1	2
3. With cerebral arteriosclerosis,	31	3	34	1	1	2	10	2	12	11	3	14	3	1	4	2	1	3	4	1	5
4. General paralysis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	14	1	15	1	1	2	4	1	5	8	1	9	1	1	2	1	1	2	1	1	2
9. Alcoholic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	8	9	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	8	15	23	3	12	15	1	2	3	5	11	16	1	2	3	1	1	2	1	2	3
13. Manic depressive,	3	12	15	3	12	15	1	1	2	3	8	11	1	1	2	1	1	2	1	1	2
14. Involution melancholia,	63	36	99	2	1	3	22	7	29	31	18	49	3	6	9	1	1	2	4	4	8
15. Dementia praecox,	3	3	6	3	3	6	1	1	2	3	3	6	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoid conditions,	3	3	6	3	3	6	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2
17. Epileptic,	3	3	6	3	3	6	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2
18. Psychoneuroses and neuroses,	5	3	8	5	3	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality,	10	7	17	2	2	4	1	1	2	4	2	6	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	6	8	14	1	2	3	3	5	8	3	4	7	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	5	2	7	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2	1	1	2
22. Without psychosis,	5	2	7	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2	1	1	2
Total,	213	158	371	8	13	21	52	22	74	112	87	199	22	18	40	5	2	7	14	16	30

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.		URBAN.			RURAL.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
1. Traumatic,	1	1	2	1	1	2	1	1	2	1	1
2. Senile,	8	25	33	7	22	29	1	22	23	1	22
3. With cerebral arteriosclerosis,	49	27	76	43	25	68	31	33	64	26	38
4. General paralysis,	31	3	34	31	3	34	31	3	34	31	3
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1
6. With Huntingdon's chorea,	1	1	2	1	1	2	1	1	2	1	1
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1
8. With other brain or nervous diseases,	14	1	15	14	1	15	14	1	15	14	1
9. Alcoholic,	14	1	15	14	1	15	14	1	15	14	1
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1
12. With other somatic diseases,	8	15	23	7	17	24	1	17	18	1	17
13. Manic-depressive,	3	12	15	3	12	15	3	12	15	3	12
14. Involution melancholia,	63	36	99	61	35	96	61	35	96	61	35
15. Dementia precox,	3	3	6	3	3	6	3	3	6	3	3
16. Paranoia or paranoid conditions,	3	3	6	3	3	6	3	3	6	3	3
17. Epileptic,	2	6	8	2	6	8	2	6	8	2	6
18. Psychoneuroses and neuroses,	5	3	8	5	3	8	5	3	8	5	3
19. With psychopathic personality,	10	7	17	10	7	17	10	7	17	10	7
20. With mental deficiency,	6	8	14	6	8	14	6	8	14	6	8
21. Undiagnosed,	5	2	7	5	2	7	5	2	7	5	2
22. Without psychosis,	213	158	371	202	151	353	202	151	353	202	151
Total,	213	158	371	202	151	353	111	77	188	111	77

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

Psychoses.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	8	1	9	2	5	7	1	8	9	5	1	6	1	1	2
2. Senile,	49	25	74	6	1	7	7	9	16	36	12	48	1	1	2
3. With cerebral arteriosclerosis,	31	3	34	1	1	2	12	2	14	18	1	19	1	1	2
4. General paralysis,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis,	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic,	14	—	14	1	—	1	3	—	3	10	—	10	—	—	10
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra,	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
12. With other somatic diseases,	1	8	9	—	—	—	—	6	6	1	2	3	—	—	3
13. Manic-depressive,	8	15	23	—	—	—	2	3	5	6	12	18	—	—	24
14. Involution melancholia,	3	12	15	—	—	—	1	4	5	2	8	10	—	—	12
15. Dementia praecox,	63	36	99	4	—	4	19	11	30	39	25	64	1	1	2
16. Paranoia or paranoid conditions,	3	—	3	—	—	—	1	—	1	2	2	4	—	—	6
17. Epileptic,	3	3	6	—	—	—	2	1	3	1	1	2	—	—	3
18. Psychoneuroses and neuroses,	2	6	8	—	—	—	1	1	2	3	6	9	—	—	12
19. With psychopathic personality,	5	3	8	—	—	—	2	2	4	3	1	4	—	—	7
20. With mental deficiency,	10	7	17	1	2	3	3	5	8	6	6	12	—	—	24
21. Undiagnosed,	6	8	14	1	1	2	1	2	3	4	4	8	—	—	12
22. Without psychosis,	5	2	7	2	—	2	2	—	2	1	2	3	—	—	5
Total,	213	158	371	18	9	27	58	54	112	136	95	231	1	—	1

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	1	1	1	1	1	2	5	7	1	1	1	5	10	15
2. Senile,	8	25	33	1	10	11	22	1	23	6	6	6	16	8	24
3. With cerebral arteriosclerosis,	49	27	76	5	18	23	11	1	11	6	6	6	12	2	14
4. General paralysis,	31	3	34	2	1	3	11	1	1	1	1	1	1	1	1
5. With cerebral syphilis,	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
6. With Huntington's chorea,	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
7. With brain tumor,	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
8. With other brain or nervous diseases,	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
9. Alcoholic,	14	1	15	1	1	2	1	1	2	1	1	1	14	1	15
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1
12. With other somatic diseases,	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1
13. Manic-depressive,	8	15	23	2	9	11	3	5	8	1	1	1	3	1	4
14. Involution melancholia,	3	12	15	2	11	13	1	1	2	1	1	1	1	1	1
15. Dementia praecox,	63	36	99	15	24	39	25	6	31	3	3	3	20	6	26
16. Paranoia or paranoid conditions,	3	3	6	1	2	3	3	1	4	1	1	1	2	1	3
17. Epileptic,	2	6	8	2	2	4	1	1	2	1	1	1	1	1	1
18. Psychoneuroses and neuroses,	5	3	8	3	2	5	1	1	2	1	1	1	1	1	1
19. With psychopathic personality,	10	7	17	6	4	10	1	3	3	1	1	1	3	1	3
20. With mental deficiency,	6	8	14	1	5	6	1	2	3	4	4	4	1	1	1
21. Undiagnosed,	5	2	7	4	1	5	1	1	2	1	1	1	1	1	1
22. Without psychosis,	5	2	7	4	1	5	1	1	2	1	1	1	1	1	1
Total,	213	158	371	42	99	141	70	28	98	21	1	22	80	30	110

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
2. Senile,	8	33	41	4	5	9	3	5	8	3	16	19	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	49	27	76	6	5	11	22	5	27	29	15	35	1	1	2	1	1	2	1	1	2
4. General paralysis,	31	3	34	7	1	8	19	2	21	8	1	9	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic,	14	1	15	6	1	7	8	1	9	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	8	15	23	7	5	12	1	6	7	1	2	3	1	1	2	1	1	2	1	1	2
13. Manic-depressive,	3	12	15	4	4	8	1	6	7	1	2	3	1	1	2	1	1	2	1	1	2
14. Involution melancholia,	63	36	99	44	16	60	17	16	33	1	3	4	1	1	2	1	1	2	1	1	2
15. Dementia precox,	13	3	16	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoid conditions,	3	6	9	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic,	2	6	8	1	3	4	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses and neuroses,	5	8	13	5	1	6	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality,	10	7	17	10	4	14	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	6	14	20	3	1	4	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	5	2	7	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis,	213	158	371	96	48	144	82	65	147	29	41	70	1	2	3	5	2	7	1	1	2
Total,	213	158	371	96	48	144	82	65	147	29	41	70	1	2	3	5	2	7	1	1	2

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,	-	-	-	-	-	-
(a) Traumatic delirium,	-	-	-	-	-	-
(b) Traumatic constitution,	-	-	-	-	-	-
(c) Post-traumatic mental enfeeblement (dementia),	-	-	-	-	-	-
(d) Other types,	-	-	-	-	-	-
2. Senile, total,	-	2	2	1	2	3
(a) Simple deterioration,	-	-	-	-	-	-
(b) Presbyophrenic type,	-	-	-	-	-	-
(c) Delirious and confused types,	-	-	-	-	-	-
(d) Depressed and agitated types,	-	-	-	-	-	-
(e) Paranoid types,	1	-	1	-	-	-
(f) Pre-senile type,	-	-	-	-	-	-
(g) Other types,	-	-	-	-	-	-
3. With cerebral arteriosclerosis,	-	-	-	2	2	4
4. General paralysis,	-	-	-	4	-	4
5. With cerebral syphilis,	-	-	-	-	-	-
6. With Huntingdon's chorea,	-	-	-	-	-	-
7. With brain tumor,	-	-	-	-	-	-
8. With other brain or nervous diseases, total,	-	-	-	-	-	-
(a) Cerebral embolism,	-	-	-	-	-	-
(b) Paralysis agitans,	-	-	-	-	-	-
(c) Meningitis, tubercular or other forms (to be specified),	-	-	-	-	-	-
(d) Multiple sclerosis,	-	-	-	-	-	-
(e) Tabes dorsalis,	-	-	-	-	-	-
(f) Acute chorea,	-	-	-	-	-	-
(g) Other diseases (to be specified),	-	-	-	-	-	-
9. Alcoholic, total,	-	-	-	5	-	5
(a) Pathological intoxication,	-	-	-	-	-	-
(b) Delirium tremens,	1	-	1	-	-	-
(c) Korsakow's psychosis,	-	-	-	-	-	-
(d) Acute hallucinosis,	2	-	2	-	-	-
(e) Chronic hallucinosis,	-	-	-	-	-	-
(f) Acute paranoid type,	-	-	-	-	-	-
(g) Chronic paranoid type,	1	-	1	-	-	-
(h) Alcoholic deterioration,	1	-	1	-	-	-
(i) Other types, acute or chronic,	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins, total,	-	-	-	-	-	-
(a) Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined (to be specified),	-	-	-	-	-	-
(b) Metals, as lead, arsenic, etc. (to be specified),	-	-	-	-	-	-
(c) Gases (to be specified),	-	-	-	-	-	-
(d) Other exogenous toxins (to be specified),	-	-	-	-	-	-
11. With pellagra,	-	-	-	-	-	-
12. With other somatic diseases, total,	-	-	-	-	-	-
(a) Delirium with infectious diseases,	-	-	-	-	-	-
(b) Post-infectious psychosis,	-	-	-	-	-	-
(c) Exhaustion delirium,	-	-	-	-	-	-
(d) Delirium of unknown origin,	-	-	-	-	-	-
(e) Cardiorenal diseases,	-	-	-	-	-	-
(f) Diseases of the ductless glands,	-	-	-	-	-	-
(g) Other diseases or conditions (to be specified),	-	-	-	-	-	-
13. Manic-depressive, total,	-	-	-	9	13	22
(a) Manic type,	7	7	14	-	-	-
(b) Depressive type,	2	5	7	-	-	-
(c) Stuporous type,	-	-	-	-	-	-
(d) Mixed type,	-	1	1	-	-	-
(e) Circular type,	-	-	-	-	-	-
(f) Other types,	-	-	-	-	-	-
14. Involution melancholia,	-	-	-	1	5	6
15. Dementia præcox, total,	-	-	-	35	25	60
(a) Paranoid type,	21	15	36	-	-	-
(b) Catatonic type,	5	7	12	-	-	-
(c) Hebephrenic type,	8	3	11	-	-	-
(d) Simple type,	1	-	1	-	-	-
(e) Other types,	-	-	-	-	-	-
16. Paranoia or paranoid conditions,	-	-	-	-	-	-
17. Epileptic, total,	-	-	-	1	-	1
(a) Epileptic deterioration,	-	-	-	-	-	-
(b) Epileptic clouded states,	1	-	1	-	-	-
(c) Other epileptic types (to be specified),	-	-	-	-	-	-

TABLE 14. — *Psychoses of Readmissions* — Concluded.

PSYCHOSES.						
	Males.	Females.	Totals.	Males.	Females.	Totals.
18. Psychoneuroses and neuroses, total,	-	3	3			
(a) Hysterical type,	-	1	1			
(b) Psychasthenic type,	-	1	1			
(c) Neurasthenic type,	-	1	1			
(d) Anxiety neuroses,	-	-	-			
(e) Other types,	-	-	-			
19. With psychopathic personality,	1	2	3			
20. With mental deficiency,	-	2	2			
21. Undiagnosed,	3	1	4			
22. Without psychosis, total,	1	1	2			
(a) Epilepsy,	-	-	-			
(b) Alcoholism,	-	-	-			
(c) Drug addiction,	-	-	-			
(d) Psychopathic personality,	1	-	1			
(e) Mental deficiency,	-	1	1			
(f) Others,	-	-	-			
Total,	63	56	119			

TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2. Senile,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. With cerebral arteriosclerosis,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4. General paralysis,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5. With cerebral syphilis,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6. With Huntington's chorea,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7. With brain tumor,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8. With other brain or nervous diseases,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9. Alcoholic,	27	1	28	10	1	11	15	—	15	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. With pellagra,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. With other somatic diseases,	5	5	10	4	3	7	1	2	3	—	—	—	—	—	—
13. Manic-depressive,	10	25	35	8	19	27	2	4	6	—	—	—	—	—	—
14. Involution melancholia,	3	9	12	1	7	8	2	2	4	—	2	2	—	—	—
15. Dementia precox,	66	46	112	—	—	—	54	32	86	12	14	26	—	—	—
16. Paranoia or paranoid conditions,	1	3	4	—	—	—	1	1	2	—	2	2	—	—	—
17. Epileptic psychoses,	4	—	4	—	—	—	4	—	4	—	—	—	—	—	—
18. Psychoneuroses and neuroses,	1	4	5	—	1	1	1	1	2	—	2	2	—	—	—
19. With psychopathic personality,	3	4	7	—	—	—	2	3	5	3	1	4	—	—	—
20. With mental deficiency,	6	4	10	—	—	—	3	2	5	—	2	2	—	—	—
21. Undiagnosed,	10	2	12	2	—	2	8	1	9	—	1	1	—	—	—
22. Without psychosis,	4	4	8	—	—	—	—	—	—	—	—	—	4	4	8
Total,	155	109	264	25	33	58	101	47	148	25	25	50	4	4	8

[illegible]

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.		YEARS.																				
	Males.	Females.	UNDER 15.		15-20.		20-25.		25-30.		30-35.		35-40.		40-45.								
			Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.									
1. Traumatic,	23	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
2. Senile,	36	19	55	—	—	—	—	—	—	—	—	—	—	—	—	—							
3. With cerebral arteriosclerosis,	37	7	44	—	—	—	—	—	—	—	—	—	—	—	—	—							
4. General paralysis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
5. With cerebral syphilis,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—							
6. With Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
8. With other brain or nervous diseases,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—							
9. Alcoholic,	8	2	10	—	—	—	—	—	—	—	—	—	—	—	—	—							
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
11. With pellagra,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
12. With other somatic diseases,	5	1	13	—	—	—	—	—	—	—	—	—	—	—	—	—							
13. Manic-depressive,	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—							
14. Involution melancholia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
15. Dementia præcox,	20	16	36	—	—	—	—	—	—	—	—	—	—	—	—	—							
16. Paranoia or paranoid conditions,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—							
17. Epileptic,	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—							
18. Psychoneuroses and neuroses,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
19. With psychopathic personality,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—							
20. With mental deficiency,	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—							
21. Undiagnosed,	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—							
22. Without psychosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
Total,	140	90	230	—	—	—	—	—	—	4	4	1	2	3	8	3	11	17	4	21	8	2	10

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

PSYCHOSES.	TOTAL.			MONTHS.												YEARS.											
	Males.	Females.	Totals.	LESS THAN 1.						1-3.			4-7.			8-12.			1-2.			3-4.			5-10.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic,	23	28	51	1	4	5	2	8	10	4	5	9	2	3	5	10	4	14	2	2	4	1	1	2	1	1	2
2. Senile,	36	19	55	14	3	17	12	7	19	1	1	2	2	1	3	3	3	6	19	5	4	5	1	1	2	1	1
3. With cerebral arteriosclerosis,	37	7	44	2	2	4	4	4	4	4	1	5	2	1	3	19	2	2	2	5	1	4	5	1	1	5	6
4. General paralysis,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
5. With cerebral syphilis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntingdon's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	8	2	10	1	—	1	—	—	—	1	—	1	2	—	2	1	—	1	1	1	—	—	—	—	—	—	—
9. Alcoholic,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	1	1	2	1	1	2	1	1	2	1	1	2	—	—	—	2	2	2	1	1	—	—	—	—	—	—	—
13. Manic-depressive,	5	8	13	1	3	4	1	1	2	1	1	2	—	—	—	2	2	1	1	2	1	—	—	—	—	—	—
14. Involution melancholia,	—	3	3	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox,	20	16	36	2	1	3	1	1	2	1	1	3	1	—	1	5	3	8	2	1	3	4	3	7	1	1	2
16. Paranoia or paranoid conditions,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	3	1	4	1	—	1	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed,	2	1	3	1	—	1	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total,	140	90	230	23	12	35	18	18	36	12	10	22	9	6	15	42	10	52	11	6	17	10	12	22	—	—	—

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.*

PSYCHOSES.	YEARS.											
	10-15.			15-20.			20-25.			25-30.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	2	3	1	1	2	1	1	2	1	1	2
2. Senile,	2	1	3	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	1	1	2	1	1	2	1	1	2	1	1	2
4. General paralysis,	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic,	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	1	1	2	1	1	2	1	1	2	1	1	2
13. Manic-depressive,	1	1	2	1	1	2	1	1	2	1	1	2
14. Involution melancholia,	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia præcox,	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia or paranoid conditions,	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic,	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses and neuroses,	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality,	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis,	1	1	2	1	1	2	1	1	2	1	1	2
Total,	7	4	11	2	6	8	1	2	3	2	2	4

TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Sept. 30, 1919,	1	34	35
Admitted within the year,	—	12	12
Nominally returned from visit for discharge,	—	—	—
Whole number of cases within the year,	1	46	47
Dismissed within the year,	1	21	22
Returned to the institution,	1	19	20
Discharged,	—	—	—
Died,	—	—	—
Visit,	—	2	2
Escaped,	—	—	—
Remaining Sept. 30, 1920,	—	25	25
Supported by the State,	—	16	16
Private,	—	4	4
Self-supporting,	—	5	5
Number of different persons within the year,	1	44	45
Number of different persons admitted,	1	12	13
Number of different persons dismissed,	1	18	19
Daily average number, . . . . .	.08	28.83	28.91
State, . . . . .	.08	20.74	20.82
Private,	—	4.67	4.67
Self-supporting,	—	3.42	3.42

